(one eighth inch = one foot 0 4 8	16	one quarter inch = one foot	three 0	eighths i	inch = o	one foot	-	 ——	one ho	alf inch =	= one foo	ot		t	three qu	arters i	nch =	one foo	t 2]		one in	ch = or 6" 0				2 	one d	nd one 6"		ches =) 	one foo	ot	thro	ee inch	es = 0	one foot 6"	: 			
VA FORM 08-6231, OCT 1978	ISSUED FOR REBID FINAL CD-SUBMISSION 95% SUBMISSION 65% SUBMISSION Revisions:																																								
2	05-23-13 12-21-12 11-30-12 11-16-12 Date	CONSU		284 MECH. ROOM #D-20 AC-4 STEAM COIL 285 MECH. ROOM #D-20 AC-3 PRE-HEAT STEAM COIL	283 MECH. ROOM #D-20 STEAM COIL	282 MECH. ROOM #D-20 HUMIDIFIER	281 MECH. ROOM #D-20 - AC-7 STEAM COIL	279 SUB-BASEMENT COL. L39 280 MECH. ROOM #D-20	278 SUB-BASEMENT STAIRWELL #8 COL. Q34 BEHIND STORM SEWER	SUB-BASEMENT STAIRWELL #5 COL	275 SUB-BASEMENT DOOR D-50 COL. Y12 276 SUB-BASEMENT DOOR D-50 COL. W12	274 SUB-BASEMENT ENGINEERING DOOR COL. T9 & V9	273 SUB-BASEMENT ENGINEERING DOOR COL. T7 & V7	272 SUB-BASEMENT COL. V33	271 SUB-BASEMENT COL. L30	270 SUB-BASEMENT COL. L30	269 SUB-BASEMENT COL. K27	267 ROOM UNIT HEATER 268 SUB-BASEMENT COL. A28	266 SUB-BASEMENT DOOR #6027 ROOM C-18 STORE SUB-BASEMENT DOOR #6027 ROOM C-18 STORE		264 SUB-BASEMENT DOOR #6027 ROOM C-18 STORE	262 STAIRWAY BY COL. A12	TAIRWAY BY COL.	260 STAIRWAY BY COL. C2	259 SUB-BASEMENT COL. K3	CO .	(PRESSURE DR	OMIDIFIER (INS	BA-109 MECH ROOM AC-51 HUMIDIFIER (INSIDE AHU) RIGHT	BA-109 MECH ROOM AC-52 HUMIDIFIER (INSIDE AHU) LEFT	BA-109 MECH ROOM AC-52 HUMIDIFIER (INSIDE AHU) RIGHT	3-900 IN	EAST PENTHOUSE #2B-900 IN BACK OF MAIN PRV STATION, BY 6" SUPPLY GATE VALVE	250 EAST PENTHOUSE #2B-900 LOW PRESSURE DRIP PRV STATION	248 HUMIDIFIER, UPPER DECK EAST PENTHOUSE #2B-900 HIGH PRESSURE DRIP PRV STATION	247 WEST PENTHOUSE #2D-900 AHU-WEST-1-3 HUMIDIFIER, UPPER DECK WEST PENTHOUSE #2D-900 AHU-WEST-1-3	EOM DRII	STEAM TRAP TAG NO.	STEAM TRAP MO	
	FREDRICK, FREDRICK & HE ENGINEERS, INC. 672 EAST ROYALTON ROAD BROADVIEW HTS., OHIO 44147 TEL (440) 546-9696 FAX: (440) 546-9699	LTANTS:		3-B-1	3-B-1	∯	3-B-1	3-SB-4	3-SB-2		3-SB-1	3-SB-1	3-SB-1	3-SB-2	3-SB-4	3-SB-4	3-SB-4	3-SB-4	3-SB-4	3-SB-4	-SB-	3-SB-3		3-SB-3	3-SB-3	3-SB-3	3-SB-3	3-B-5	3-B-5	3-B-5	3-B-5	3-B-5	3-2-5	3-2-5	3-2-5	3-2-4	3-2-4	3-2-4	TRAP DRAWING REFERENCE NO. / LOCATION	ONITORING SYSTEM, INSULATION	
	CK & HELLE! , INC. ON ROAD OHIO 44147 -9696 -9699			п п	п			4 В В			œ œ		B B	2 B	4 B		8 B		. 4 B			ω ω Β	1		3 D			2 0				л	5 В	5 Fi		5 4 B T	т П		TRAP TYPE	M, INSULATIO	
3	R		COLI ① ② ③ ① THA: NO.: WOF	1 11/2" SPIRAX FT-15 3 11/4" SPIRAX FT-15	'4" SPIRAX FT-1	3/4" PROFICIENT TECHNOLOGIES T	3/4" ARMSTRONG	3/4" SPIRAX B1H 3/4" SPIRAX B1H	SPIRAX	3/4" SPIRAX TD-5	1 3/4" SPIRAX B1H-125 1 3/4" SPIRAX B1H-125	3/4" SPIR	3 3/4" SPIRAX B1H-125	1 3/4" SPIRAX B125H125	3 1/2" SPIRAX B1H-125	3/4" SPIRAX TD-5	<u> </u>	3/4" B&J FT	3/4" SPIF	3/4" SPIF	3/4" SPII	4" SPIF	3/4" PROFICIENT TECHNOLOGIES	3/4'		1" SPIRAX FT-15	3 TECHNOLOGIES TGEBB2 3 3/4" SPIRAX B1H-125	t" SPIRAX TD-5 t" PROFICIENT	2 3/4" SPIRAX FT-15	3/4" DUNHAM-BUSH 40-21	3/4" DUNHAM	2 3/4" SPIRAX FT-30	-6 3/4" SPIRAX B125H-125	12 3/4" SPIRAX B125H-125	3/4" SPIRAX FT-15	1 3/4" SPIRAX FT-15 3 3/4" SPIRAX B125H-125	3/4" SPIR	14 3/4" ARMSTRONG 811	ELEV. TRAP MODEL, MFG. & AFF PIPE SIZE	ON AND PIPING UPGRADES	3
4	BRIAN MIDOWSKI 66625 PERION A STREET OF OHIO STREET OF OHIO STREET ON A STREET		DLUMN REFERENCE NOTES: FURNISH AND INSTALL AN ACOUSTIC WIRELES REPLACE OR REPAIR STEAM TRAP IN ACCORD REMOVE STEAM/CONDENSATE LEAK IN ACCORD COLD STEAM TRAPS: REPAIR THE VALVES, COLAT WERE FOUND TO BE COLD. FIX ALL ITEMS FOOLD. REPLACE THE EXISTING COPPER PIPING WITH ORK. SEE THE SPECIFICATIONS FOR THE REQUIR	15M STEAM COIL CO 15M STEAM COIL LK	15M STEAM COIL OK	15 HUMIDIFIER CO	TEAM COIL	DRIP TEAM MAIN	+	STEAM MAIN DRIP	15 STEAM MAIN OK 15 STEAM MAIN OK	STEAM MAIN DRIP	115 STEAM MAIN CO	115 STEAM MAIN OK	0 STEAM MAIN CP/LK	STEAM MAIN DRIP	15 STEAM MAIN OK	STEAM MAIN	15 STEAM MAIN CO	STEAM MAIN DRIP	STEAM MAIN DRIP	15 STEAM MAIN OK	STEAM MAIN DRIP	STEAM MAIN DRIP	Ź	115 STEAM MAIN BT	DRIP STEAM MAIN	115 DRIP TRAP OK STEAM MAIN CO	12 HUMIDIFIER CO	HUMIDIFIER	HUMIDIFIER	12 HUMIDIFIER CO	115 STEAM MAIN BT		STEAM MAIN DRIP	10M DRIP CP	HUMIDIFIER DRIP HUMIDIFIER	10 STEAM MAIN OK	P IN EQUIPMENT COND		4
5 6		ARCHITECT:	JSTIC WIRELESS STEAM TRAP MONITORING SENSOR PER SPECIFICATIONS. AP IN ACCORDANCE WITH DESCRIPTION IN REMARKS COLUMN. ABANDONED CONDENSATE PIPING TO A POINT WHERE THE CONDENSATE LINE IS LIVE. CAP. EAK IN ACCORCANCE WITH DESCRIPTION IN REMARKS COLUMN. INVESTIGATE AND DETERMINE THE REASON FOR ANY OTHER NON-FUNCTIONING STEAN THE VALVES, CONTROLS ETC. AS DESCRIBED IN THE REMARKS COLUMN. INVESTIGATE AND DETERMINE THE REASON FOR ANY OTHER NON-FUNCTIONING STEAN X ALL ITEMS FOUND TO BE NEEDING REPAIR. (FOR PURPOSES OF THIS BID ASSUME THE CONTROL VALVES REQUIRE REPAIR OR REPLACEMENT.) DEDUCT ALTER REPLACE THE REMARKS COLUMN FOR REQUIRED MATERIALS AND FITTINGS. INSULATE ALL NEW & EXISTING BARE PIPE. DEDUCT ALTERNATE NO. 2. OR THE REQUIRED MATERIALS AND FITTINGS. INSULATE ALL NEW & EXISTING BARE PIPE. DEDUCT ALTERNATE NO. 2.	REMOVED DISCONNECTED FOR NEW CONSTRUCTION. INSPECTED 7/25/12. REPAIR DEFECTIVE STEAM TRAP WITH TUNSTALL #3FP-SA-15 FACE PLATE REPAIR KIT. HAS COPPER CONDENSATE PIPING DISCHARGE. EXISTING VACUUM BREAKER TIED INTO CONDENSATE LINE, INSTALL TUNSTALL 3/4" STEAM SERVICE VACUUM BREAKER OPEN TO ATMOSPHERE. INSPECTED 7/25/12.		TUNSTALL VB-3/4 STEAM SERVICE VACUUM BREAKER AT COIL OUTLET. INSPECTED 7/25/12. STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPLACE WITH 3/4" SPIRAX B1H-125 OR 3/4" ARMSTRONG #81 BUCKET STEAM TRAP. INSPECTED 7/25/12.	STEAM TRAP IS COLD, SHOULD BE HOT. INSPECT CONTROL VALVE OR CONDENSATE LINE FOR RESTRICTIONS. IF REQUIRED, REPAIR STEAM TRAP WITH ARMSTRONG #811 PCA REPAIR KIT, 1/4" ORIFICE AND BODY GASKET. NO VACUUM BREAKER PRESENT, INSTALL THINSTALL VB 3/4 STEAM SERVICE VACUUM BREAKER AT COIL OLITIET INSPECTED 7/25/12	STEAM TRAP IS OK. WHEN WORN, REPAIR STEAM TRAP WITH SPIRAX #8000 STEAM TRAP IS OK. (NEW TRAP) WHEN WORN, REPAIR STEAM TRAP WITH SPIRAX #8000			STEAM TRAP IS OK. (NEW TRAP) WHEN WORN, REPAIR STEAM TRAP WITH SPIRAX #80004 REPAIR KIT. INSPECTED 7/25/12. STEAM TRAP IS OK. (NEW TRAP) WHEN WORN, REPAIR STEAM TRAP WITH SPIRAX #80004 REPAIR KIT. 6 FT. OF 4" BARE STEAM PIPE NEEDS	NEW STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR STEAM TRAP WITH SPIRAX #80004 REPAIR KIT. INSPECTED 7/25/12.	NEW STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR STEAM TRAP WITH SPIRAX #80004 REPAIR KIT. 1" BARE STEAM LINE MAY NEED INSULATION, INSPECT (MAYBE DEAD). HAS COPPER CONDENSATE LINE. INSPECTED 7/25/12.	STEAM TRAP IS OK. (NEW TRAP) WHEN WORN, REPAIR STEAM TRAP WITH SPIRAX #80004 REPAIR KIT. INSPECTED 7/24/12.	STEAM TRAP IS COLD-PLUGGED. HAS NEW STEAM TRAP. CHECK FOR CONDENSATE LINE RESTRICTION. 3/4" GATE VALVE LEAKS CONDENSATE AT OUTLET, REPAIR. IF REQUIRED, REPAIR STEAM TRAP WITH SPIRAX #80004 REPAIR KIT. INSPECTED 7/24/12.		STEAM TRAP IS OK. (NEW TRAP) WHEN WORN, REPAIR STEAM TRAP WITH SPIRAX #80004 REPAIR KIT. AT COL. J29, 6 FT. STEAM PIPE NEEDS INSULATION. INSPECTED 7/24/12.	INSPECTED 7/24/12. STEAM TRAP IS OK. (NEW TRAP) WHEN WORN, REPAIR STEAM TRAP WITH SPIRAX #80004 REPAIR KIT. INSPECTED 7/24/12.	STEAM TRAP IS COLD OUT OF SERVICE. (NEV 7/24/12.				(NEW TAG#) STEAM TRAP IS COLD-PLUGGED. REPLACE WITH 3/4" SPIRAX B1H-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAM TRAP. CONDENSATE IS BACKED-UP, REPLACE IS BACKED-UP, REPLACE AS SOON AS POSSIBLE. INSPECTED 7/25/12.		STEAM TRAP IS OK. WHEN WORN, REPLACE WITH 3/4" SPIRAX B1H-125 OR 3/4" ARMSTRONG #811-125 INVERTED BUCKET STEAI INSPECTED 7/23/12.	REPAIR DEFECTIVE STEA	STEAM TRAP. HAS DI-ELE STEAM TRAP IS OK. WHEN	STEAM TRAP IS OK. WHEN DIE-ELECTRIC UNION. INS	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL 1FP-SA-15 FACE PLATE REPAIR KIT. SHOULD RELOCATE STEAM TRAP OUTSIDE OF AHU FOR EASE OF MAINTENANCE. INSPECTED 7/23/12.	STEAM TRAP IS COLD OU	STEAM TRAP IS COLD OUT OF	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL #1FP-SA-30 FACE PLATE REPAIR KIT. SHOULD RELOCATE STEAM TRAP OUTSIDE OF AHU FOR EASE OF MAINTENANCE. HAS COPPER CONDENSATE LINE . INSPECTED 7/23/12.	REPAIR DEFECTIVE STEAM TRAP WITH SPIRAX #80004 REPAIR KIT. NEW TAG. INSPECTED 8/3/12.	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR STEAM	STEAM TRAP IS OK, BUT SHO	TRAP WITH TUNSTALL #1FP-SA-15 FACE PLATE REPAIR KIT. INSPECTED 8/2/12. STEAM TRAP IS OK. WHEN WORN, REPAIR STEAM TRAP WITH SPIRAX #80004 REPAIR KIT. NEW TAG. INSPECTED 8/2/12.	STEAM TRAP IS COLD, SHOULD BE HOT. INSPECT CONTROL VALVE OR TRAP WITH TUNSTALL #1FP-SA-15 FACE PLATE REPAIR KIT. INSPECTE STEAM TRAP IS COLD, SHOULD BE HOT. INSPECT CONTROL VALVE OR	STEAM TRAP OK. WHEN WORN, REPAIR WITH ARMSTRONG #811 PCA REPAIR KIT, 1/8" ORIFICE AND BODY GASKET. INSPECTED 8/2/12.	NO W		5 6
7	TRAPS 246-285 Approved: Project Director	Drawing Title STEAM TRAP	8) FURNISH AND INSTALL NE 9) REPIPE ELEVATED CONDE 1 TRAP 11 NO WORK REQUIRED NATE 12 NO WORK REQUIRED 13 MISCELLANEOUS	×		×	×	×				×	×	×		×				×		×	×	×	×	X REPLACE		×	×	×	×	×	×	×		×	×		/ORK TRAP REMOVE JIRED MONITOR REPAIR PIPING	(1) (2) (3)	
	285	AND WORK SO	EW Y-STRAINERS BETWEEN : ENSATE PIPING AT LOCATIOI												×																								REPAIR STEAM/ CONDENSATE LEAK	4	
8			3HUT-OFF VALVE AND INLET US NOTED. SEE DETAILS ON	×		×	×			×		×	× ×		×			×	×			×	×		×		× >	< ×	×			× × ×				×	: ×		STEAM PIPE & TRAP UNIONS DEDUCT ALT ALT NO. 1 NO. 2		
9	UPGRADES .ccation VAMC - WADE PAI 12-21-12 Checked www	Toject Title STEAM TRAP MONI	TO STEAM TRAP. DRAWINGS { 3-PH-4 4-02 4-03 4-04 4	×	×		×																																SERVICE STRAINER CON	(2)	-
	AND PIPING Buildir 1 Phecked Drawn Thecked Drawn Thecked Drawn	G Proje	-05}																										×	×	×	×							REPIPE ELEVATED CONDENSATE PIPE RELOCATE TRAPS TO OUTSIDE AHU	(10)	
	ng Number Ing Number 2-07	ct Number 41-12-115									×			×			×					×			×	×		×	×	×	×	×			×	×	×	×	REMOVABLE INSULATION S JACKETS		-
10	Facilities anagement Department of Veterans Affairs		TI						m							D							0								π								HARD PIPE MISC.	(12)	